CONFIDENTIAL

CLASSIFICATION CONFIDENTIAL

50X1-HUM

CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

COUNTRY USSR

DATE OF INFORMATION 1950

SUBJECT Scientific - Electricity
Biographical

DATE DIST. 31 Oct 1950

HOW PUBLISHED Monthly periodical

WHERE PUBLISHED Moscow

NO. OF PAGES 2

DATE PUBLISHED Jan 1950

SUPPLEMENT TO REPORT NO.

LANGUAGE Russian

THIS IS UNEVALUATED INFORMATION

SOURCE Elektrichestvo, No 1, 1950, p 87.

PROFESSOR A. N. LARIONOV

(On his 60th Birthday and 30th Year of Scientific and Pedagogical Activity)

B. P. Aparov, V. V. Meshkov,
G. N. Petrov, Ye. V. Nitusov,
Yu. S. Chechet

Andrey Nikolayevich Larionov, Doctor of Technical Sciences, is one of the oldest and greatest specialists in the design, construction, and production of special electric machines, electric machines, and electric drives. Larionov began his pedagogical work in the upper division of Moscow Higher Technical School in 1919. As a scientist and engineer, he is known for his inventions in the field of application of high-power ac in aircraft and was one of the designers of the complex electrical equipment of the first giant aircraft, Maksim Gor'kiy. In this connection, the USSR used high-power ac in aircraft long before the US.

Under the leadership of Larionov, machines have been designed which are distinguished by their high degree of reliability, low weight, and small dimensions.

Larionov's investigations in 1924 proved, for the first time in our country, the possibility of building dc machines with high voltage between adjacent commutator segments, which enabled a number of types of USSR dc machines to be made with small commutators.

Units designed by Professor Larionov have seen many years' operation under severe conditions and have proved their complete reliability and excellent quality. Larionov designed new types of electric machines excited by permanent magnets and suggested a three-phase bridge system for current rectification.

CONFIDENTIAL

CLASSIFICATION CONFIDENTIAL

STATE	X	NAVY	X	NSA		DISTRIBUTION											
ARMY	X	AIR	X	FBI													

Larionov's scientific and pedagogical activity was closely connected for many years with practical problems of Soviet power engineering. The investigation of the power economy of Azneft' and Grozneft', carried out under his active leadership in 1925 - 1927, was later used as the basis for formulating the Five-Year Plans for electrification of oil enterprises and the reconstruction of the electric power economies of Azneft' and Grozneft'. Extensive investigations by Larionov (1928 - 1932) in the field of electric drives for coal extraction in the Donbass served as a basis for the reconstruction of the electric power economy of Donugol'. Similar investigations were carried out on electric drives for hydropeat extraction and in the paper industry. From 1920 to 1936, Larionov more than once took part in solving technical problems connected with the installation and operation of turbogenerators and hydrogenerators in a number of the largest electric power stations in the Soviet Union.

The Chair of Aviation and Auto Tractor Electrical Equipment in the Moscow Power Engineering Institute was organized by Larionov. He also organized the Chair of Electric Machines in the Engineers' and Technicians' Communications Academy imeni Podbel'skiy and a number of special laboratories in the All-Union Electrical Engineering Institute.

All of Larionov's work is directed toward the development of USSR power engineering science and the education of scientific and technical personnel. On his 60th birthday, he can be classed in the group of leading Soviet scientists who are contributing all their experience and knowledge in the interests of their fatherland.

- E N D -